

AMENDMENTS TO THE SPECIFICATION

1. Please replace the original Abstract with the following, in which added texts are underlined and deleted texts are stricken through.

The present ~~application discloses invention~~ provides a method of and an apparatus for measuring a distance using an ultrasonic wave. The method ~~comprises~~ of measuring a distance using an ultrasonic wave includes the steps of receiving through an ultrasonic sensor a signal ~~generated~~ from an ultrasonic transmitter; ~~according to a signal of ultrasonic transmission time,~~ amplifying the received signal; ~~filtering a high-frequency wave component~~ from the amplified signal, thereby generating a filtered signal; generating an output signal when the filtered signal satisfies a predetermined condition; outputting only a signal corresponding to a predetermined signal size from the signal in which the high-frequency wave is filtered, and computing a distance based on a value by calculating the period of the output signal. ~~The apparatus comprises an ultrasonic transmitter for transmitting an ultrasonic wave, a device for transmitting a synchronized signal in a wired or wireless mode in order to an ultrasonic transmission signal, an ultrasonic sensor for receiving the ultrasonic signal transmitted from the ultrasonic transmitter, an amplifier for amplifying the received signal to the ultrasonic sensor, a filter for filtering a high frequency signal from the amplified signal in the amplifier, a comparator for outputting only a signal corresponding to a predetermined signal size from the filtered signal, and an arithmetic unit for computing a distance value by calculating the period of the output signal.~~

2. Please replace Paragraph No. 0009 of the specification with the following, in which added texts are underlined and deleted texts are stricken through.

[0009] The predetermined signal size may be composed of an upper limit and a lower limit, and a signal between the upper limit and the lower limit can be configured so as not to be ~~outputted~~ outputted.